



# OREGON TUALATIN VALLEY AMATEUR RADIO CLUB

Nov. 1983

Po Box 5132 Beaverton, Oregon 97006

MEETING: 2nd WEDNESDAY BEAVERTON ELKS AT 7:00 p.m. (Dinner at 6:30 p.m.)

President:	Bert Schmidt	W7JWG	Trustee:	Al Berg	WB7SIC
Vice-Pres:	Doc Miller	KA7BSD	Trustee:	Randy Cobb	KA7HJT
Secretary:	Linda Cereghino	N7CZY	Trustee:	Warren Knight	N7BIJ
Treasurer:	John Koenig	NB7W	Trustee:	Bob Orr	KB7CC
			Trustee:	Dick Powers	WB7ADM

EDITOR: AL BERG WB7SIC

'SPECIAL MEETING'

CIRCULATION 250

Grrrrreat!! The new meeting place turned out to be a real winner. At least judging by the comments. The food was very good and YOU ALL are to be commended for making the lodge glad to have us. We had just over 100 in attendance. When we get rid of some pressing political business, perhaps we can get back to having more fun and games and get the attendance back up around 120 or so. Bet we will!! Great support!!

HERO 1. The program was really neat. Quite a few little ones were there and they got a real kick out of the little guy. So did all the big people. An interesting show and one that everybody should have seen. More like that and we WILL fill the place up. Thanks to WA7CZA.

HATS OFF!! As Bert was out of town and Doc is (was) laid up by an accident, the head table was manned by John, NB7W. John did a very nice job in spite of some heavy pressures and is to be congratulated. Even on the best of nights it can get pretty heavy up front and, at times, the overpowering urge to run for it is hard to overcome. Very nice work John.

BERG & BENSON BOOGIE BACK !!!! No, this is not a National Enquirer headline. By the time you read this, we will have returned to good old Hillsboro. In fact, we get back one night before the fold, staple and mutilate party. A TON of slides will be developed and then the work will start on putting together a club program on the trip. It is intended to lay out a show much different than any we have seen on a DXpedition type trip. Sure, lots of travelouge in it but different. While we are on the subject, I must thank NB7W for the loan of a good camera and WA7CZA for some attachments for same. Also, ND7T for the loan of 65' of heavy line cord. 220 type. And, last but not least, a tnks to Stan of Antronics for the loan of an HF preamp which he had on consignment! He called the owner, a stranger to me, and arranged for the loan. Really super help. The group thanks you all.....

FIELD DAY: Look for a synopsis in next months letter. How we did in 83 versus 82-81-80 and etc. Also, how our change of class affected scoring.





# ACTIVITIES

Bunny Hunts-Xmas Party-Field Day-Contesting-Rusty Key-Happy Hour  
Public Service-Easter Hunt-Club Picnic/Campout-Spook Patrol  
Convention-Project Night-Ham Classes-Meeting Programs.....

## SUPER 'TEST

The OTVARC Contest Committee will be sponsoring a serious contest effort during the ARRL Ten Meter Contest December 10 and 11. Most of the operation will be on SSB but we will be listening for and working multipliers on C.W.

Stan, W7NI has generously offered us the use of his tower to support the numerous Ten Meter Monoband Yagis we will be using.

ND7T will be operated from a travel trailer and The OTVARC Emergency Communications Trailer parked under the 120 foot tower.

We plan to use computerized logging and duping. We will set up a spotting network on Two Meters to listen for multipliers and we hope you can help us listen. All local stations can best contribute to the score by contacting ND7T during periods of poor propagation. We will even QSL.

If you want to help please contact NB7W, ND7T, or KQ7I.

## WE LOST

The 1986 National ARRL Convention is to be held in San Diego. We gave it the old college try and could not have done more to get it in the City of Roses. Who knows, perhaps 1987 will bring us better luck. It most likely would have rained anyway...

## UPGRADE

Dick Stocking, KA7OSB; went from novice to general. Super! There is no greater thrill than to move up to microphone land. Well, almost. Good show Dick.....

## NEW MEMBERS

Welcome back to Leonard & Tygh Thompson, KA7IOB & KA7FDQ. Also, we add to the roster, Wray Price, N7BUM--Jeff Durr, KA7AKU--and the long name of Rich Schouweiler, KA5-OLH. Nice to have you all with us..

## 1984

### CONTEST CALENDAR

January 9	Open Contest Committee meeting
January 12	RUSTY KEY NITE (15 Meters)
February 12	Valentine's Day Special Event
May 11	Happy Hour Contest
June 22-24	Field Day
August 10	Happy Hour Contest
October 11	4th Annual RUSTY KEY NITE (10 M.)

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## KOREAN AIRLINES FLIGHT 007 (by N7CDI)

Recently, on the hf bands, I have heard some malicious interference with Russian amateur radio operators. It is obvious that some stateside amateurs feel that this is a way to express their feelings concerning the brutal downing of the Korean Airliner flight 007. They are ignoring regulations which prohibit such conduct. I am sure that most Americans, just as I, were appalled, angered and shocked at such a heinous act. But, are the amateur bands the correct forum to vent these feelings? I always thought one of the great attributes of amateur radio was the goodwill toward all amateurs around the world. Void of territorial, political or idealistic boundaries.

When I communicate with a fellow ham in another part of the world, I feel a certain responsibility. Not only for myself but also toward my country and my conduct is a reflection of same. Whether you agree or not with my opinions, other points need to be considered.

Are Russian amateurs responsible for their governments actions?

Are they even aware of the truthful facts regarding the incident?

Is the practice of interference, whenever one government acts wrongfully against civilians or another government, justified?

If so, should we expect the same treatment in return if amateurs in another country disagree with our own governments actions or policies?

I am confident that 99% of American amateurs do not condone this sort of practice but for that small minority that do, I wish they would reconsider and leave politics out of our great hobby. Let us abide by the rules and regulations we agreed to follow.

'73' Doug Bull--N7CDI

### TELECONFERENCE RADIO NET NEWS...

I phoned Rick Whiting (WØTN), manager of the Teleconference Radio Network (TRN) to find out what happened to the September 1st presentation. About two-thirds through the presentation, most of the locations carrying the Barry Goldwater talk lost contact with the net and the connection could not be restored.

"We lost the tie line between the Minneapolis and Chicago (telephone) bridges," Rick said. "The bridge was up and functional, but we could not send any audio into it on our tie line. All of the 99 locations that were on the Chicago bridge lost audio. Another 18 locations (tied directly into Minneapolis) plus the interactive locations stayed on. Barry Goldwater's location, being interactive (designated 2-way for 'talking back' to others) was not affected. We were aware when it happened because the telephone immediately started ringing. We didn't lose the satellite feed."

On December 1st, the Teleconference Radio Network will feature Vern Riportella, WA2LQQ president elect of AMSAT who will speak on the amateur space program which is very topical these days. "We plan to uplink the presentation through the OSCAR-10 amateur satellite again," Whiting said. Rick wanted me to mention that all of the nets and locations carrying TRN are listed in the CompuServe "HamNet" database - a national ham radio/personal computing bulletin board headed up by W3VS - Scott Loftness.

Rick also mentioned that TRN has an offer from a firm that wishes to remain anonymous to uplink TRN via a commercial geosynchronous satellite on a subcarrier. An amateur that has a TVRO earth station could receive the presentation via satellite and redistribute it via amateur radio in his area. This would eliminate telephone charges to the telephone bridge. Whiting was wondering how many amateurs have TVRO capability and if there is any interest in this. Write him at: 4749 Diane Drive; Minnetonka, MN 55343 or call (612) 870-2071 during the day. W5Y1

PLEASE CONTRIBUTE: We need articles from members. Technical, suggestions, how to, personal experiences, club doings and etc.. ANYTHING that the members may find of interest! Submit by phone, outline or typed. Tnks..

# A BIG THANKS

The American Diabetes Association would like to extend a big THANK YOU to all of the following hams for their tremendous help on this years Bike-a-thon in the Portland area. Out of 71 hams, almost 40 of them are OTVARC members!! A tremendous effort by all and an extra hand of applause is in line for the coordinators (\*) of each route who put so much effort into organizing and overseeing each route. The team effort between OTVARC and four other clubs and other amateurs made this years Bike-a-thon a roaring success. Thank You!

Mark, N7CRQ

(\* indicates coordinator)

HARVEY	PRIESTER	*N7CZY	LINDA	CERECHINO	W7JOI	JIM	BERNKEAU	W43RMX	TON	HILL III
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*KA7AHF	BOB	SAUTER	KA7DSF	PAUL	MULLER	*KA7KNG	SHERRILL	SMITH	W84SHR	PAUL
W47AWJ	RANDALL	SCHAUB	N7DWU	TOM	CLARK	KU7L	AARON	HORENSTEIN	W87SIC	AL
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W47CWD	RICHARD	WYLAND	KA7ICJ	JOHN	WELSH	W87QFL	JOANNE	POWERS	NB7X	DAVE
			A17J	LLOYD	VANCIL					MANN

## THE PERSONAL COMPUTER AND THE MAIL

The market forecast for electronic mail via computer is a whopping \$12 billion by 1992 - less than 10 years away. The principal reason for this is falling home computer costs and soaring postage. In 1947 it cost only 3 cents to mail a first class letter - in 1982 it went to 20 cents. Projecting the same rate of inflation, a first class stamp will skyrocket to \$1.34 by the year 2017!

Electronic mail has its roots in three technologies developed in the 1800s: telegraphy, facsimile and telephony. Even the post office realizes that manual delivery of the mail will become drastically reduced and is rushing into electronic transfer. For 26 cents, the US post office will now print a letter, envelope, address and deliver. It's called E-COM. There is reason to believe that the USPS will eventually assign everyone (not just an area) a delivery number. The "zip plus 4" (the 9 digit zip code which Congress has barred until October 1, 1983 - only 2 weeks away) is a start in that direction. **W5YI**

Sympathy results from listening with your heart.

Electronic mail boxes will be commonplace as packet switching networks mature. A letter will be immediately routed to you from anywhere although most mail will be handled at night when the phone lines are least used. It will be the telephone company and not the post office that reaps the profits although mail could be routed by radio... even addressable cable TV wirelines. There is even talk about your newspaper being sent by television! It's being tested right now.

And much of the today's mail will just be entirely eliminated as the checkless/cashless/paperless society gets underway. Instantaneous automatic deposit, withdrawal, transfer will be the rule. Even catalogs and sale flyers are destined to be done away with. You'll call up the Sear's circular, view it on your TV and place your order via your computer. AT&T has big plans for digital consumer data transfer. They didn't get out of the voice telephone business without reason. Your phone will become an intelligent terminal complete with keyboard. There is now worldwide recognition that computers and communications together are a beautiful way to bring cost effective information to the consumer.





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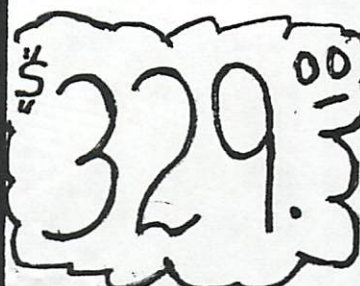
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EDITORIAL: I am one month short of having done this rag for 4 years. I recently went through ALL of the past issues and noticed something which bothers me. Like the rings on a tree stump, I can tell my bad times from the good. My personal moods should NOT have any effect on YOUR newsletter but it has. Several members have called me the Wayne Greene of OTVARC. Our newsletter should not be a sounding board for the editor. Being club Prez for two of those years made it all too easy to get into that rut. I want to change that! This issue is a start. I inserted 4 articles by members, which is about double from the norm. I need them each and every month. An editor should put the 'letter' together, not write it! I would like articles that are timely, interesting to the majority and, above all, of a positive nature. This should benefit us all. Negative is out!! Let's get better in '84'.



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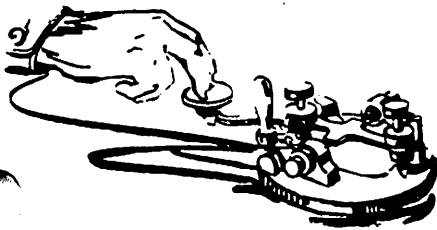
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••GET THOSE SIGNATURES ••  
(A Rusty Key Saga de KO7B)

## CONVENTION

We have had several phone calls regarding committees and desire to be included. Must admit to being kind of quiet lately about the event but rest assured that things are well in hand. We have had a lot of members who have asked to be of help. SUPER! Look for a formulative meeting in a couple of months. We should have a list of committee people in writing very soon so everyone will know who is doing what. Look for a PACKED convention enter!! The dealer & manufacturer acceptance is getting better and better. We very well may have to turn away a few interests for lack of space. How sweet it is!!!!

Two years ago I did not know that OTVARC existed. I had been licensed for a few months and had spent most evenings making a few QSO's. None of the local hams I had worked said anything to me about radio clubs in the Portland area. I suppose this is understandable because all my QSO's had been CW mode and if someone were to say something to me about OTVARC, I would pass it off as sloppy sending and hope that I wouldn't miss too much else. So how did I hear about OTVARC then? Well one winter evening in 1982 I was scanning the Novice portion of the 10 meter band to see if there was any activity, even though it normally closed quite early, and lo and behold, I heard all kinds of activity. All kinds of stations calling CQ - who were they? After reading the mail for several minutes I determined that they were simply exchanging names and signal reports. I figured I could handle that, so after some more hesitation, I jumped right in and answered a CQ from KC7U. I asked him what was going on. He said something about OTVARC, which I of course passed off as sloppy sending, and then he invited me to join in the fun. This certainly sounded friendly to me so I hesitated a little more, found a clear frequency, and called CQ. What a pileup! Before I could escape I had worked 15 stations! I was afraid to call CQ again, so I just shut everything off and thought about how much fun this had been.

Two or three months later (long after I had quit thinking about that cold winter night) a guy came to my front door one day, identified himself as N7CME, said he had really struggled to find me and he needed my signature. He probably thought I was ham radio's greatest idiot after having to explain in great detail just what was going on. But he had put in a great deal of effort in locating me since my call had been issued too late to make the Callbook, and I gladly gave him my signature. He then made me swear not to tell anyone else where I lived. I also gave him a QSL card, which he took home and promptly put on display. After that it became easier for those who visited N7CME's shack to locate me. Some of those sleuths were KA7KDB, K7RXV and WB7SIC.

A couple of months later I attended the Ham Convention in Seaside to find out what people do at such an event. While browsing around I came across a booth for OTVARC, and there was KA7KDB. He proceeded to explain to me how I could join OTVARC. By this time, though, I knew there were many friendly members in the group and it didn't take much arm twisting to get me to join.

So what is it I'm saying? Those of you who participated in the RUSTY KEY contest should go out there and GET THOSE SIGNATURES! Not only will you increase your chances of getting a plaque, but you can meet new friends and help others learn about OTVARC at the same time.

## POWER LINES, A NEW RADIATION HAZARD?

Most of us are aware of the possible biological hazards of RF radiation. The government is in the process of setting new RF radiation standards for industry to follow - mainly for emissions in the 30 to 300 MHz range.

Now comes word that Extremely Low Frequency (ELF) electromagnetic waves may also present a health hazard. These electromagnetic waves lie in the 50 to 100 cycles-per-second area and can be created by any alternating current.

Power lines carry current at voltages up to 1,000 times regular house voltages. Researchers at the Massachusetts Institute of Technology have found that animals avoid

ELF fields. When they are in such a field their activity and oxygen consumption increases and nerve fibers conduct faster.

Dr. Robert O. Becker, a New York medical center researcher feels that ELF radiation may chronically stress the human body, lower its resistance to disease and interfere with the immune system. Government studies indicate a relationship between alternating electric fields and suicide!

On the surface, it appears that ELF radiation directly influences messages passed by the nerves but this may not be the case. How ELF radiation effects humans really remains uncertain. A five year study in New York will look into possible biological hazards from high voltage lines. But all is not bad. Medical ELF radiation devices exist that can speed up healing of bone fractures. WSYI

✓ The FCC issued a news release on October 7 granting the extension of amateur station and operator license terms from five to ten years (P.R. Docket No. 83-337). The renewal grace period is two years. The new license terms will be phased in as licenses come up for renewal. Details will be in December 1983 QST.

✓ ARRL is looking for volunteers for its new ARRL Interference Reporting System (AIRS). Please see the article in October QST, pp. 54-55. Write to ARRL Hq. for an application form.

✓ The ARRL Volunteer Examining Program has reached the 1,000 mark for potential Volunteer Examiners. These hams have indicated their desire to serve as VEs once the program is in place. If you would like to serve as a Volunteer Examiner, please contact Curt Holsopple, K9CH, Volunteer Examiner Program Manager, at ARRL Hq.

### SPECIAL MEETING NOTICE

November meeting will be called a 'Special Meeting'. The business to be conducted shall be nominations of officers for the 1984 slate. No other business may be conducted. The requirements for the calling of a 'Special Meeting' have been fulfilled. Bert, W7JWG. Club President.

(editorial comment) Our By-Laws, in their infinite wisdom, dictate that we SHALL meet on the THIRD Wednesday of the month. Any other meeting date is considered a 'Special Meeting' and when such is called, the business to be conducted must be described, in writing, and sent to the members so as to arrive, by ordinary postal delivery, not less than 24 hours before the meeting time. As we have a couple of members that insist on the rules, look for a change, in the near future, to a third Wednesday so that we can vote on changing this ridiculous clause. You see, no votes are allowable at a 'Special Meeting' on any changes to the By-Laws or Constitution.

### THE ULTIMATE DX QSO

Location: Portland, Oregon ND7T QTH  
Frequency: 14.035 Mhz. Mode CW

Coleen Utter, a 21 year old amateur radio operator (KA7MDC) made her made her first DX (long distance) contact with another station in San Jose, Costa Rica. An extremely exciting event for any radio operator. The contact was excellent, with signals loud and clear and the conversation rattling on for a solid hour. Both ladies exchanged information about their homes, their personal life, their commitments to their Lord and their enjoyment of the communications hobby. It was perfect! They ended by exchanging addresses and agreeing to become pen pals and to keep in touch. The joy felt by a persons first DX contact is not often shared by others but this contact was also enjoyed by two other amateurs at the station that Coleen was operating and neither one of them will forget this contact either. You see, Coleen and her contact, Lisa Carmelle, are both blind. Not much of a handicap one would think after copying their QSO. Coleen is a novice class operator and is getting to be very proficient with morse code as a language. Lisa is one of the most proficient CW operators in the hobby as she is able to exceed 60 wpm with ease. Both ladies have the confidence and skills to communicate with hams all over the world. Lisa has been doing this for 27 years, enjoys other hobbies, and is proficient in Braille and Spanish as well as English. Neither operator gazed at the fancy equipment, the fancy keys nor amplifiers. Nothing mattered except the enjoyment of meeting a new friend a few thousand miles from each other and experiencing it through radio.

Yes, this was one of the rarest DX contacts that I have heard of and, no doubt, the nicest. What a nice hobby to have.

(Coleen, KA7MDC, operates 80-40-15 meter CW with a HW-16 using dipoles)

Jerry Norman ND7T





## BUNNY HUNT SCHEDULE

~~Sept. 24 Intermediate Bi Mart lot in Hillsboro~~  
~~Oct. 8 --Advanced --Norths in Beaverton Mall~~  
~~Oct. 22 Experimentor Bvtn. Mall or anywhere~~  
 Nov. 5 --Intermediate--Sears Auto, Wash. Square  
 Nov. 19 --Advanced --Bi-Mart lot in Hillsboro  
 Dec. 3 --Experimentor--Bvtn. Mall or anywhere

## HELP NEEDED



As most of us know, we are an ARRL affiliated club. Also, we recently applied for a 'Special Service Club' rating. The application has been through the local, state and 7th Division hands and was approved. It is now at League Headquarters and going through approval process. What is of concern is that to maintain our status we must be at a 51%, or higher, ARRL membership level. We are VERY close to not satisfying the requirement. So close, in fact, that should we get four or five new members this month, that are not ARRL members, we will be under!!! I know that this is not going to cause everyone to fork over the \$\$ for membership but there are a number of members that have indicated that they would join. If you have been putting it off, now is the time! We must file an annual report with the ARRL at years end and now is none to early to ensure that we maintain our position. REMEMBER-if you are an ARRL member, any family member that is a ham can join for \$2.00 per year. Benefits?? You bet! Quite a few for you and many for the club. One of the more important ones is a HALF MILLION DOLLAR club liability policy!! Give it some thought.....

## MEETING PROGRAM

Our November program will be a presentation by the FCC's Portland Field Office Engineer, Jim Munson. Mr. Munson will be covering recent rule changes affecting Amateur Radio Operators, including the voluntary exam program, and interference. A question and answer session will follow his presentation.

Mr. Munson has been a friend to Amateur Radio for a long time, and has been a great help to many area Hams. He deserves the warmest of OTVARC welcomes.

de WA7CZA

### WHO TO CALL FOR WHAT

Public Service	Mark Cattell	N7CRQ	245-1230
Club Contests	John Koenig	NB7W	641-3575
Public Relations	(needed)		
Club Raffle	Gino Buell	KA7KBH	646-7991
Programs	John Haide	WA7CZA	246-8086
Technical	Roger Steyaert	K7RXV	642-1419
Wash. Cty. EC	"	"	"
Club Socials	Paul Lucas	WB6SHR	641-8703
Club Jackets	Warren Winner	W7JDT	644-0752
INFO	"	"	"
Badges	Linda Cereghino	N7CZY	643-5862
Roster Changes	"	"	"
Ham Classes	Bob Orr	KB7CC	297-2732
Bunny Hunts	Mark Cattell	N7CRQ	245-1230
ARRL Membership	John Koenig	NB7W	641-7535
Club Library	Susan Benson	N7EPE	640-1989
Club Scrapbook	(needed)		
Convention	Al Berg	WB7SIC	640-5456
Newsletter	"	"	"
ARRL Assist. Dir.	"	"	"

Just because we have taken one step down a wrong road is no reason why we have to take two.

### DON'T FORGET THE MEETING

Beaverton Elks.

Buffet at 6:15

Meeting at 7:00

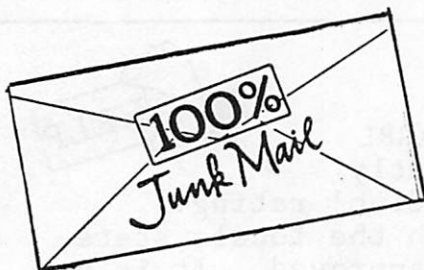
SECOND WEDNESDAY

November the ninth

Bring a friend. CU there!!!!



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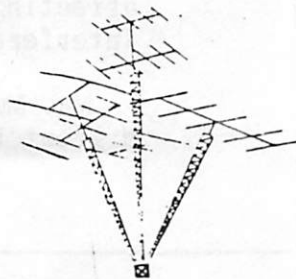
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FT-77 \$539\*

AEA:

CP-1 \$178\*

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Friday: 6 PM - 10 PM

Saturday: 10 AM - 6 PM



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